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1			5	4 2 8 5 6 1 06/27/95 BRYANT et al							BRYANT et al.			-			
			6	1	1	5	6	8	7	09/05/00	TANAKA et al.	l.					
			5	3	9	6	5	7	6	03/07/95	MIKI et al.						
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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																
Mo			1	A	An article by Laflamme et al. Entitled "On Reducing Computational Complexity of Codebook Search in CELP Codes Throug											CELP Codes Through	
i				th	the Use of Algebraic Codes," IEEE ICASSP-90.												
\			2	М	M.R. SCHROEDER et al., "Code-Excited Linear Prediction (CELP): High-Quality Speech at Very Low Bit Rates", Proc.												
				IC	ICASSP, pp. 937-940 (1985).												
			3	R.	. SAI	LAN	/II et	al.	, "8 I	KBIT/S ACE	LP Coding of Sp	peech	h With 10 MS Speed	ch-Frame: A	Candidate for Co	CITT Standardization",	
				IC	CASS	SP, p	p. I	I-97	7 to I	I-100 (1994)							
	,		4	L	INDI	E et a	al., '	'An	Alg	orithm For V	ector Quantizer l	Desi	ign", IEEE Transact	ions On Com	ımunications, Vo	ol. Com-28, No. 1, pp.	
				84	84-95 (1980).												
			5	М	IKI	et al.	., "A	N PI	ТСН	SYNCHRO	NOUS INNOVA	ATIO	ON CELP (PSI-CEL	P) CODER F	OR 2-4 KBIT/S	", 1994 IEEE, pp. II-13	
				to	II-1	16 (1994	4).						***			
			6	In	terna	ation	al T	`ele	comr	nunication U	Jnion, "Series G:	Tran	nsmission Systems a	and Media, D	igital systems ar	nd Networks -Coding of	
				sp	eech	at 8	Skbi	t/s ı	ısing	Conjugate S	Structure Algebra	aic C	Code Excited Linear	-Prediction (CS-ACELP); An	nex D: 64 kbit/s	
				S-	-ACI	ELP	spe	ech	codi	ng algorithm	, published Septe	embe	er 1998.				
			7	S	ALA	ΜI e	et al	., "I	Real-	Time Impler	mentation of a 9.6	6 Kb	oit/s ACELP Wideba	and Speech C	oder." Proceedir	ngs of the Global	
				Т	eleco	mm	unic	atio	ons C	Conference, U	J.S., New York, I	IEEE	E, vol -, 1992, pages	447-451.			
V			8	К	IM e	t al.,	, "A	Со	mple	xity Reducti	on Method for V	/SEL	P Coding Using Ov	erlapped Spa	arse Basis Vector	rs." Proceedings of the	
m						ation	al C	Conf	feren	ce on Signal	Processing Appl	licati	ion and Technology	, October 18,	1994.		
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100	1	8	An English Language abstract of JP 5-281999.										
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			46th Vehicular Technology Conference, Mobile Technology for the Human Race (Cat. No. 96CH 35894), April 28 to Ma										
			1996, pages 198-202, vol. 1.										
	2	0	An article entitled "Analysis and Improvements of the	V.B. KLEIJIN et al., 1988 Proceedings									
			of the European Signal Processing Conference, page	s 1043 to 1046.									
	2	1	An article entitled "A Complexity Reduction Method	d for VSELP Coding Using Overlapped Sparse Basis Vectors" by S. J. KIM									
1)			et al., 1994 Proceedings of the International Conferen	ence on Signal Processing Applications and Technology, October 18, 1994.									
M	2	2	MILLAR et al., "A Multipulse Speech Codec for Digit	ital Cellular Mobile Phone Use." Proceedings on the Workshop on Speech									
M			Coding for Telecommunications, U.S., Boston, Kluwer, vol, 1989, pages 87-96.										
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